

# Gap Pad® 3004SF

February 2015

## PRODUCT DESCRIPTION

High Performance, Thermally Conductive Material With Silicone-Free Formulation

## FEATURES AND BENEFITS

- Thermal Conductivity: 3.0 W/m-K
- Excellent thermal performance
- Silicone-free formulation
- 0.25 mil PET provides easy disassembly, leaving no residue
- Tacky side allows for ease of handling and placement



Gap Pad® 3004SF is high performance, 3.0 W/m-K, thermally conductive gap filling material. Gap Pad® 3004SF is silicone-free by design and offers exceptionally low interfacial resistances to adjacent surfaces.

Gap Pad® 3004SF is designed for applications that are silicone-sensitive.

Gap Pad® 3004SF is constructed using a 0.25 mil PET film that provides a no tack surface on one side and natural tack on the other side.

*Note: To build a part number, visit our website at [www.bergquistcompany.com](http://www.bergquistcompany.com).*

## TYPICAL PROPERTIES OF GAP PAD 3004SF

PROPERTY	IMPERIAL VALUE	METRIC VALUE	TEST METHOD
Color	Light Gray	Light Gray	Visual
Reinforcement Carrier	0.25 mil PET	0.25 mil PET	—
Thickness (inch) / (mm)	0.010 to 0.125	0.254 to 3.175	ASTM D374
Inherent Surface Tack	I	I	—
Density (Bulk Rubber) (g/cc)	3.2	3.2	ASTM D792
Heat Capacity (J/g-K)	0.8	0.8	ASTM E1269
Hardness (Bulk Rubber) (Shore 00) (1)	70	70	ASTM D2240
Continuous Use Temp (°F) / (°C)	-40 to 257	-40 to 125	—
<b>ELECTRICAL</b>			
Dielectric Breakdown Voltage (Vac)	>6000	>6000	ASTM D149
Dielectric Constant (1000 Hz)	8.0	8.0	ASTM D150
Volume Resistivity (Ohm-meter)	10 <sup>11</sup>	10 <sup>11</sup>	ASTM D257
Flame Rating	V-O	V-O	U.L. 94
<b>THERMAL</b>			
Thermal Conductivity (W/m-K) (2)	3.0	3.0	ASTM D5470

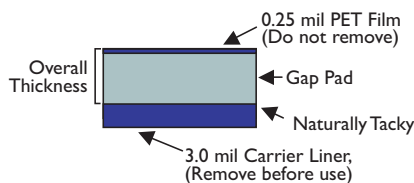
1) Thirty second delay value at 250 mil, 23°C.  
2) This is the measured thermal conductivity of the Gap Pad compound.

## TYPICAL APPLICATIONS INCLUDE

- Hard disk drives
- HDD/SSD combination drives
- Medical devices
- Optical components
- Laser optics
- HDD case to tray
- Automotive electronics
- Solar energy
- LED lighting

## CONFIGURATIONS AVAILABLE

- Sheet form and die-cut parts
- Custom thicknesses available upon request



## Disclaimer

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